Incident Action Plan

Incident:	Mosier Unit Train Derailment	Prepared By:	Ashley Reardon
Period:	#3: 06/07/2016 06:00 PDT - 06/08/2016 06:00 PDT	Version Name:	P003V003

Approved By

Organization	Name	Signature
WDSC	JM APPLETON	
WA SOSC	David Byers	
US EPA	Michael Baykin	
UPRR	Robert Bouvier	
OR SOSC	Michael M RENZ	
YAKAMA NATION	BRADY B KENT	

Incident Photo

Included in Action Plan

[]	Period Forms	[]	Attachments
☑	ICS 202 - Incident Objectives		
☑	ICS 203 - Organization Assignment Lists		
☑	ICS 204 - Assignment List(s)		
☑	ICS 205 - Communication Plan		
☑	ICS 206 - Medical Plan		
☑	ICS 207 - Organizational Chart		
☑	ICS 208 - Site Safety Plan(s)		
☐	ICS 209 - Situation Report		
☐	ICS 211P - Check In List		
☐	ICS 213 - General Message(s)		
☐	ICS 214 - Activity Logs		
☐	ICS 215 - Operational Planning Worksheet		
☑	ICS 230 - Meeting Schedule		

CTEH CENTER FOR TOXICOLOGY AND ENVIRONMENTAL HEALTH, LLC

ICS 202: Incident Objectives

Incident:	Mosier Unit Train Derailment	Prepared By:	Joe Leonard
Period:	#3: 06/07/2016 06:00 PDT - 06/08/2016 06:00 PDT	Version Name:	06/06/2016 15:43 PDT

Objective(s)

1. Ensure the safety and security of citizens and responders
2. Manage the response in a coordinated manner
3. Minimize/eliminate impact to Mosier Community
4. Control the source of spill
5. Protect environmental, economic, and culturally sensitive areas
6. Contain and recover spilled crude oil
7. Clean up product and restore impacted areas
8. Keep the public and stake holders informed
9. Demobilize resources as appropriate

Operational Period Command Emphasis

1. Maintain boom WWTP outfall
2. Conduct air monitoring to ensure safety of responders and facilitate the safety of residents
4. Develop required support plans
5. Maintain safe river commerce
6. Restore Waste Water Treatment Plant
7. Manage vehicular traffic
8. Address emerging environmental concerns (ICS-209)
9. Manage control traffic in a controlled manner
10. Document full nature & extent of oil in the release area soil and groundwater
11. Ensure adherence to Critical Info Reporting Requirements
12. Ascertain accurate count of personnel and resources on scene

General Situational Awareness

24 Operational Period - 06:00 to 06:00
12 hour shifts 06:00 to 18:00 and 18:00 to 06:00

1. Incident Name Moiser Unit Train Derailment	2. Operational Period (Date/Time) From: 6/7/2016 06:00 To: 6/8/2016 06:00	ORGANIZATION ASSIGNMENT LIST ICS 203-CG

3. Incident Commander(s) and Staff

Agency	IC	Deputy
	Richard Franklin (FOSC)	Mike Boykin
	Mike Renz / David Byers SOSC	Sam Hunn
	Jim Appleton LOSC	
	Robert Bavier RP OSC	Ray Meyer
	Elizabeth Sanchez / Brady Kent TOSC	
Safety Officer:	Paul Nony / Mike Hildebrand/Scott Skelton/Wes Killingsworth	
Information Officer:	Judy Smith	
Liaison Officer:	Bruce Gilles	

4. Agency Representatives

Agency	Name
	City of Moiser
	Wasco County Sherriff
	US Forest Service
	UPRR Police

5. PLANNING/INTEL SECTION

Chief	Joe Leonard
Deputy	Niki Bender
Resources Unit	Lisa Taylor
Situation Unit	Katie Strauss
Environmental Unit	Linda PJ / Geoff Brown
Documentation Unit	Kimberlee Van Patten
Demobilization Unit	
Technical Specialists	

6. LOGISTICS SECTION

Chief	Jim Overman
Deputy	Jason Potts

a. Support Branch

Director	Mike Hildebrand
Supply Unit	
Facilities Unit	
Vessel Support Unit	
Ground Support Unit	

b. Service Branch

Director	Reece Boxwell
Communications Unit	
Medical Unit	

7. OPERATION SECTION

Chief	Robert Bradley
Deputy	Greg Noll
Deputy	Allen Higginbotham
Staging Area Manager	
Staging Area Manager	
Staging Area Manager	

a. Branch – Division Groups

Branch Director		Mosier Branch
Deputy		
Division Group	WWTP	
Division Group	X F R	
Division Group	Spill Ops	
Division/Group		
Division/Group		

b. Branch – Division/Groups

Branch Director		
Deputy		
Division/Group	Dalles	
Division/Group		
Division/Group		
Division/Group		
Division/Group		

c. Branch – Division/Groups

Branch Director		
Deputy		
Division/Group	IE	
Division/Group		
Division/Group		
Division/Group		
Division/Group		

d. Air Operations Branch

Air Operations Br. Dir	
Helicopter Coordinator	

8. FINANCE/ADMINISTRATION SECTION

Chief	Danny Maldonado
Deputy	
Time Unit	
Procurement Unit	
Compensation/Claims Unit	
Cost Unit	Lani Dorow

DIVISION ASSIGNMENT LIST	1. Branch: Mosier Branch	2. Division/Group: WWTP Group
3. Incident Name: Mosier Unit Train Derailment	4. Operational Period: Date: 6/7/16	Time: 0600 hours

5. Operations Personnel

Operations Chief	Bob Bradley	Division/Group Supervisor	Bryan Robinson (UPRR)
Branch Director		Air Attack Supervisor No.	

6. Resources Assigned this Period

Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
WWTP Task Force		9			

7. Control Operations

Develop and implement the action plan for the restoration and recovery of the Mosier waste water treatment plant (WWTP), including all WWTP inflow and outfall piping.

TF resources include UPRR and contractor personnel (CH2M, Clean Harbors)

8. Special Instructions

In the event of an emergency, an evacuation order will be signaled. Everyone will be informed via the job safety / operations briefing of where the egress and muster points are located.

When accessing the river shoreline, avoid anchoring/grounding or otherwise damaging submerged aquatic vegetation.

Report all discoveries of cultural resources to your supervisor and the Environmental Unit Leader @ 541-501-2145 or 360-400-2263 and STOP work.

Report all observations of oiled wildlife to your supervisor and the Environmental Unit Leader @ 541-501-2145 or 360-400-2263

9. Division/Group Communication Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command				Social Media		Twitter Facebook	@mosierderail mosierderail
Tactical Div/Group	308-520-5213			PIO	503-545-2540	King NIFC	MosierMP70@gmail.com

Prepared by (Resource Unit Leader)	Approved by (Planning Section Chief)	Date	Time
		6/6/16	1645

DIVISION ASSIGNMENT LIST	1. Branch: Mosier Branch	2. Division/Group: Transfer Operations Group
3. Incident Name: Mosier Unit Train Derailment	4. Operational Period — Date: 6/7/16	Time: 0600 hours

5. Operations Personnel

Operations Chief	Bob Bradley	Division/Group Supervisor	Chip Heard (UPRR)
Branch Director	Allen Higginbotham	Air Attack Supervisor No.	

6. Resources Assigned this Period

Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
Transfer TF	Jason Potts (SRS)	12			
Transport TF	Ricky Garret (CHES)				
UPRR Police Dept.	UPRR PD Supervisor				
Vacuum Trucks		8			

7. Control Operations

Safely conduct on-site transfer operations from crude oil tank cars to cargo tank trucks. Tank trucks will then move as a convoy to UPRR The Dalles rail facility for transload. UPRR PD will control perimeter support at the incident site and security support for convoy operations. Maintain on-scene foam capabilities in the event of a fire / release.

TF resources include UPRR, UPRR PD and contractor personnel ()

8. Special Instructions

In the event of an emergency, an evacuation order will be signaled. Everyone will be informed via the job safety / operations briefing of where the egress and muster points are located.

When accessing the river shoreline, avoid anchoring/grounding or otherwise damaging submerged aquatic vegetation.

Report all discoveries of cultural resources to your supervisor and the Environmental Unit Leader @ 541-501-2145 or 360-400-2263 and STOP work.

Report all observations of oiled wildlife to your supervisor and the Environmental Unit Leader @ 541-501-2145 or 360-400-2263

9. Division/Group Communication Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command				Social Media		Twitter Facebook	@mosierderail mosierderail
Tactical Div/Group	308-520-5213			PIO	503-545-2540	King NIFC	MosierMP70@ gmail.com

Prepared by (Resource Unit Leader)	Approved by (Planning Section Chief)	Date	Time
	Joseph Daugherty	6/6/16	1645

DIVISION ASSIGNMENT LIST	1. Branch	2. Division/Group The Dalles Division
3. Incident Name Mosier Unit Train Derailment	4. Operational Period Date: 6/7/16	Time: 0600 hours

5. Operations Personnel

Operations Chief	Bob Bradley	Division/Group Supervisor	Chip Heard (UPRR)
Branch Director		Air Attack Supervisor No.	

6. Resources Assigned this Period

Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
Off-Loading TF	Junior Mendoza (CHES)	8	No		
Fire Fighting Crew	Junior Mendoza (CHES)	5			
Air Monitoring Crew	Junior Mendoza (CHES)	2			

7. Control Operations

Safely conduct on-site transfer operations from cargo tank trucks to either frac tanks or tank cars. Maintain on-scene foam capabilities in the event of a fire / release. Active continuous air monitoring in the proximity of the transfer operations to detect any atmospheric hazards

TF resources include UPRR and contractor personnel (Clean Harbors, CTEH – Air Monitoring)

8. Special Instructions

In the event of an emergency, an evacuation order will be signaled. Everyone will be informed via the job safety / operations briefing of where the egress and muster points are located.

When accessing the river shoreline, avoid anchoring/grounding or otherwise damaging submerged aquatic vegetation.

Report all discoveries of cultural resources to your supervisor and the Environmental Unit Leader @ 541-501-2145 or 360-400-2263 and STOP work.

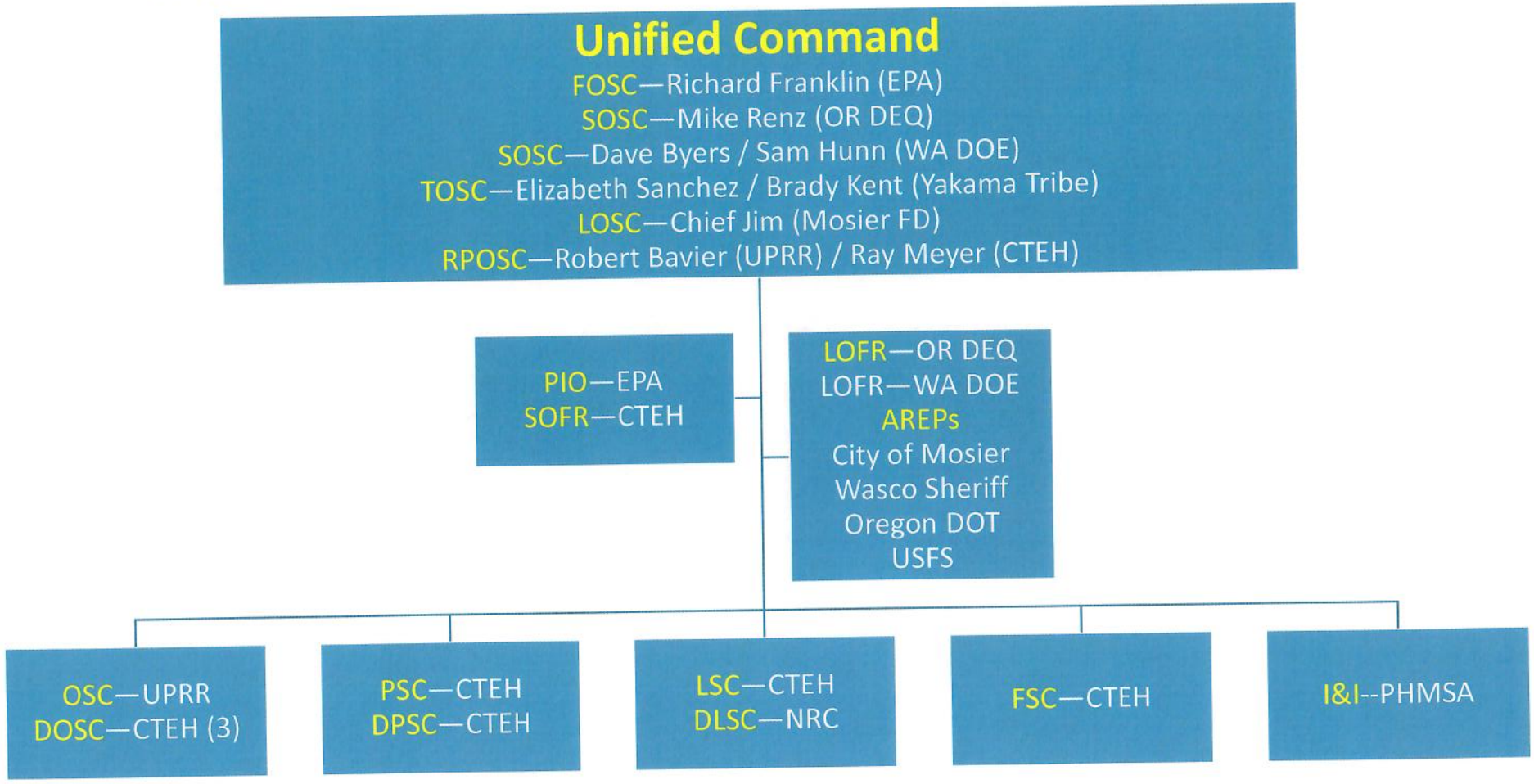
Report all observations of oiled wildlife to your supervisor and the Environmental Unit Leader @ 541-501-2145 or 360-400-2263

9. Division/Group Communication Summary

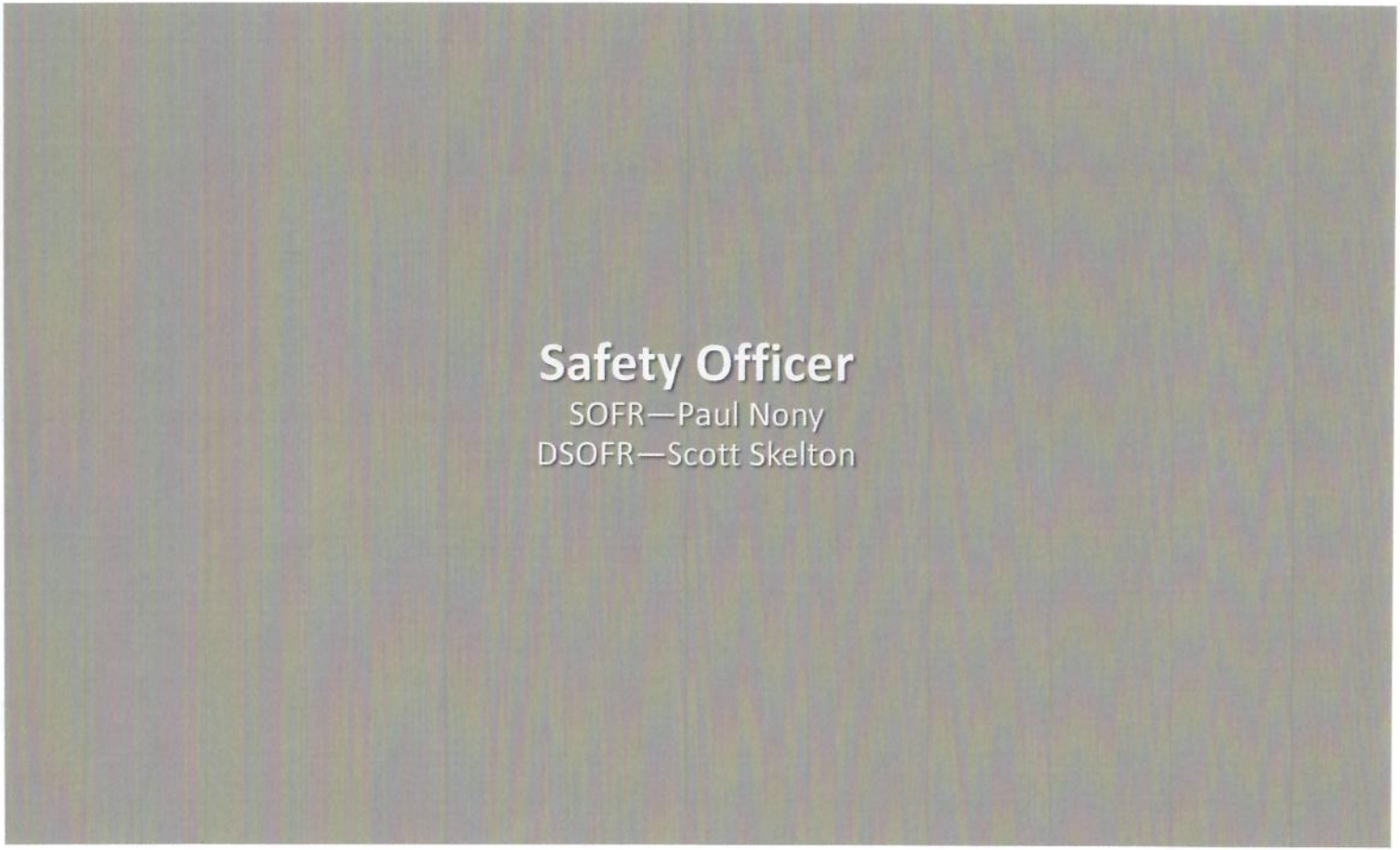
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command				Social Media		Twitter Facebook	@mosierderail mosierderail
Tactical Div/Group				PIO	503-545-2540	King NIFC	MosierMP70@ gmail.com

Prepared by (Resource Unit Leader)	Approved by (Planning Section Chief)	Date	Time
		6/6/16	1695

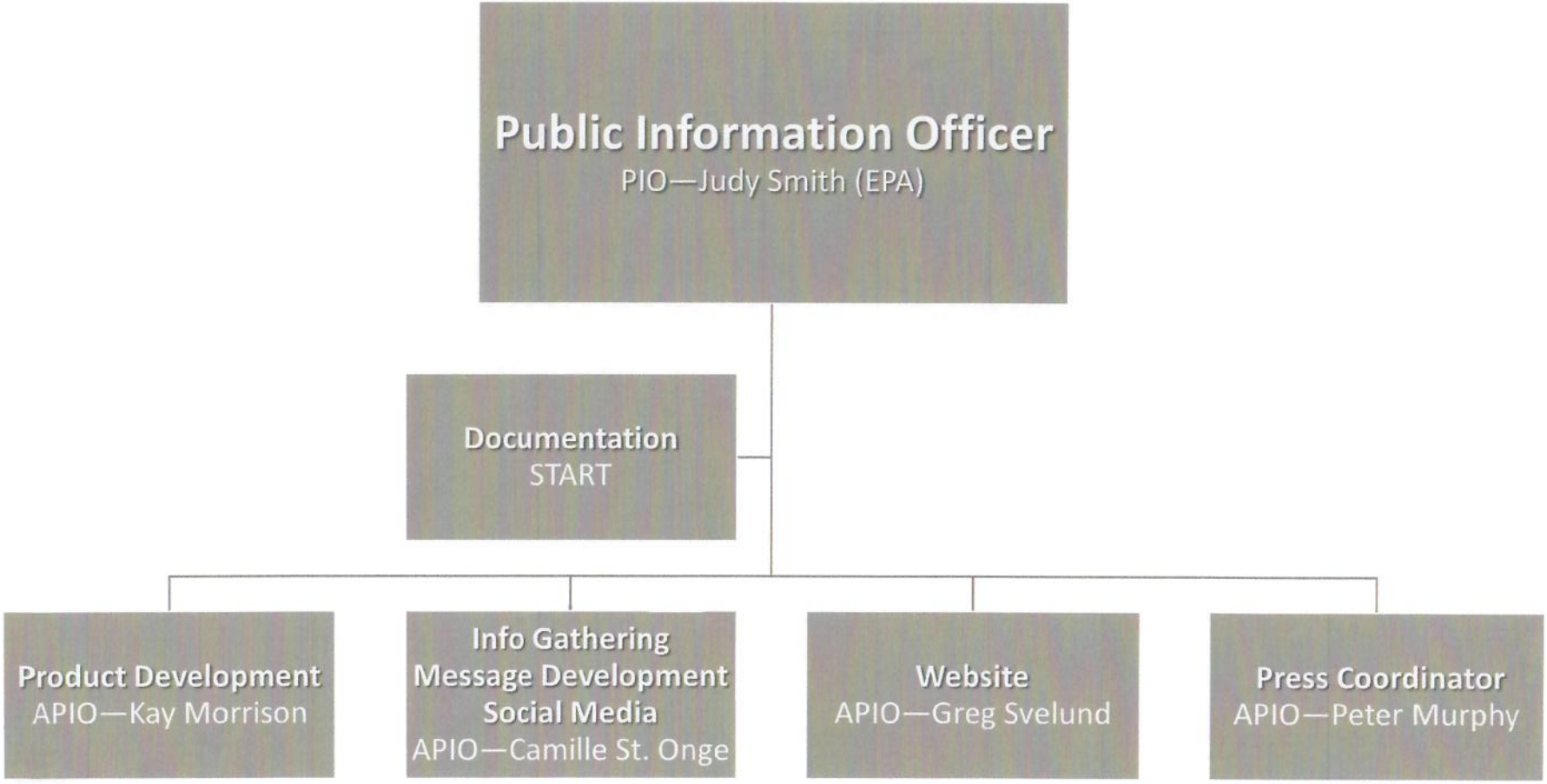
Mosier Unit Train Derailment IMT



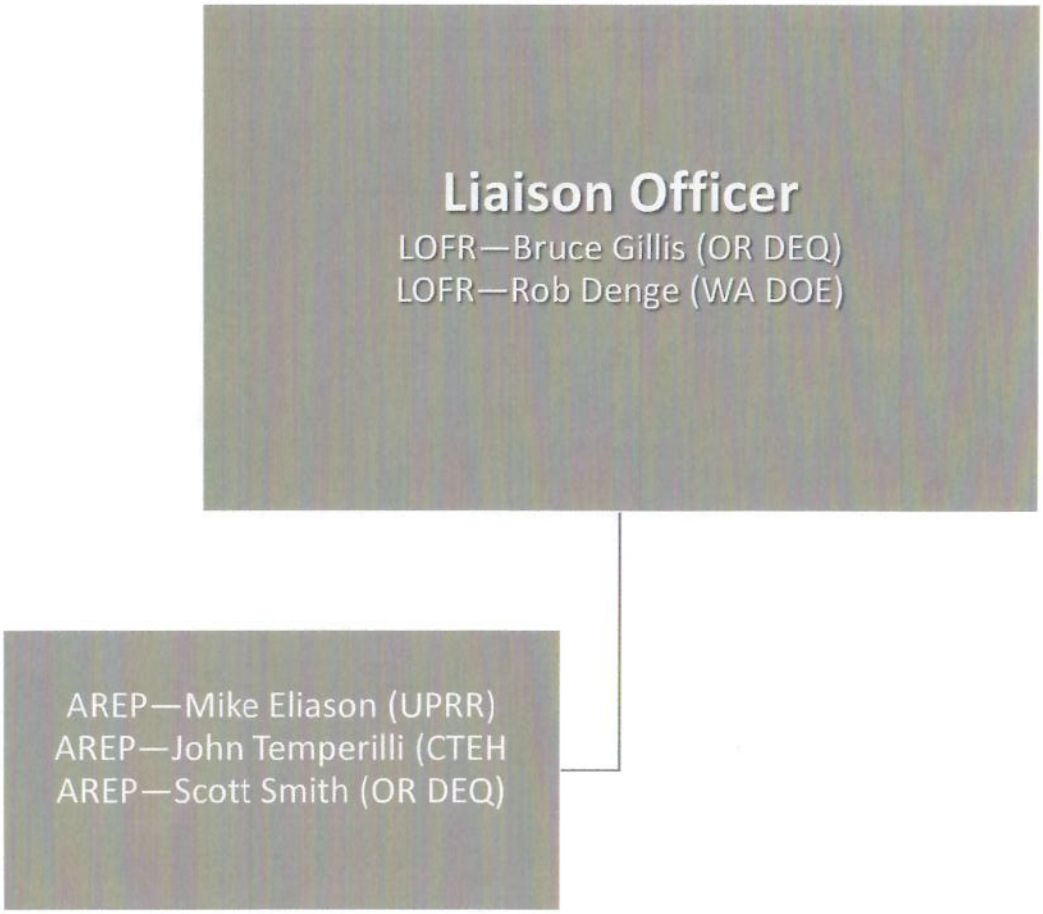
Mosier Unit Train Derailment IMT



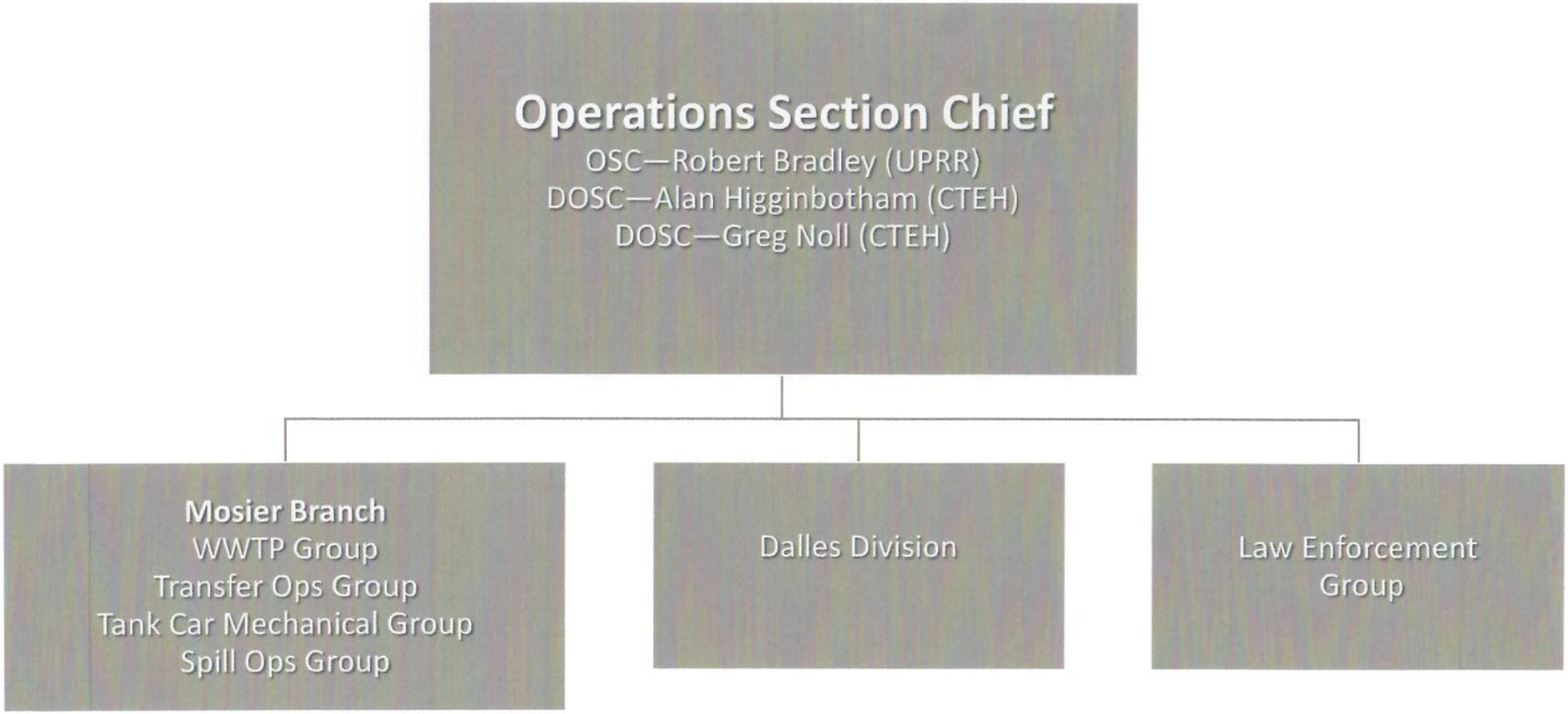
Mosier Unit Train Derailment IMT



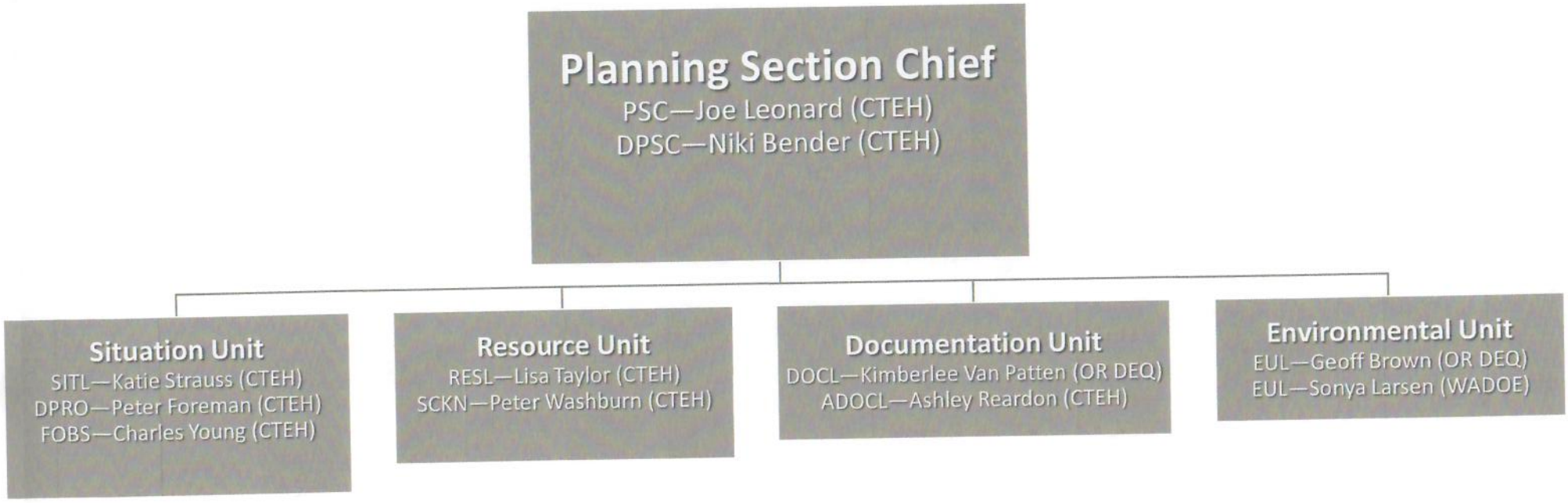
Mosier Unit Train Derailment IMT



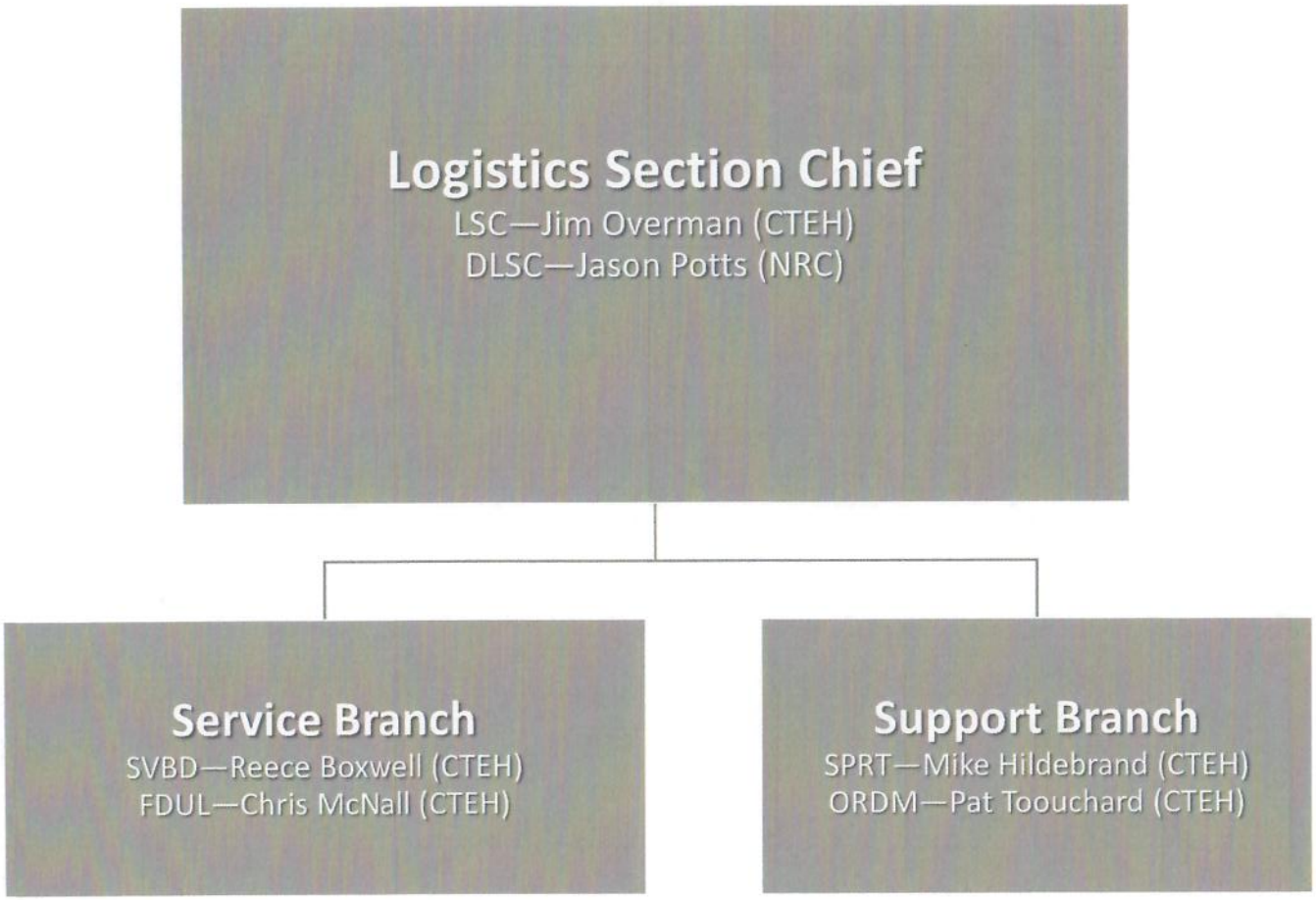
Mosier Unit Train Derailment IMT



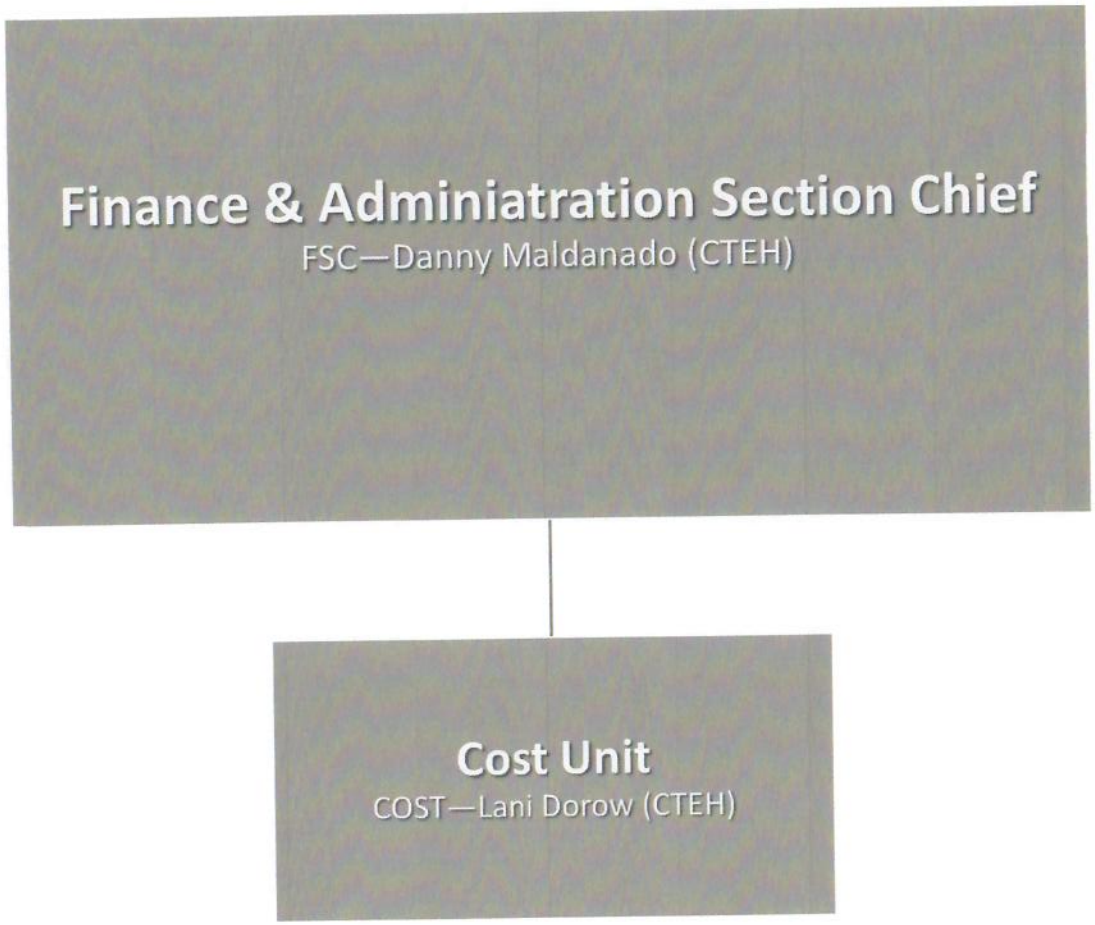
Mosier Unit Train Derailment IMT



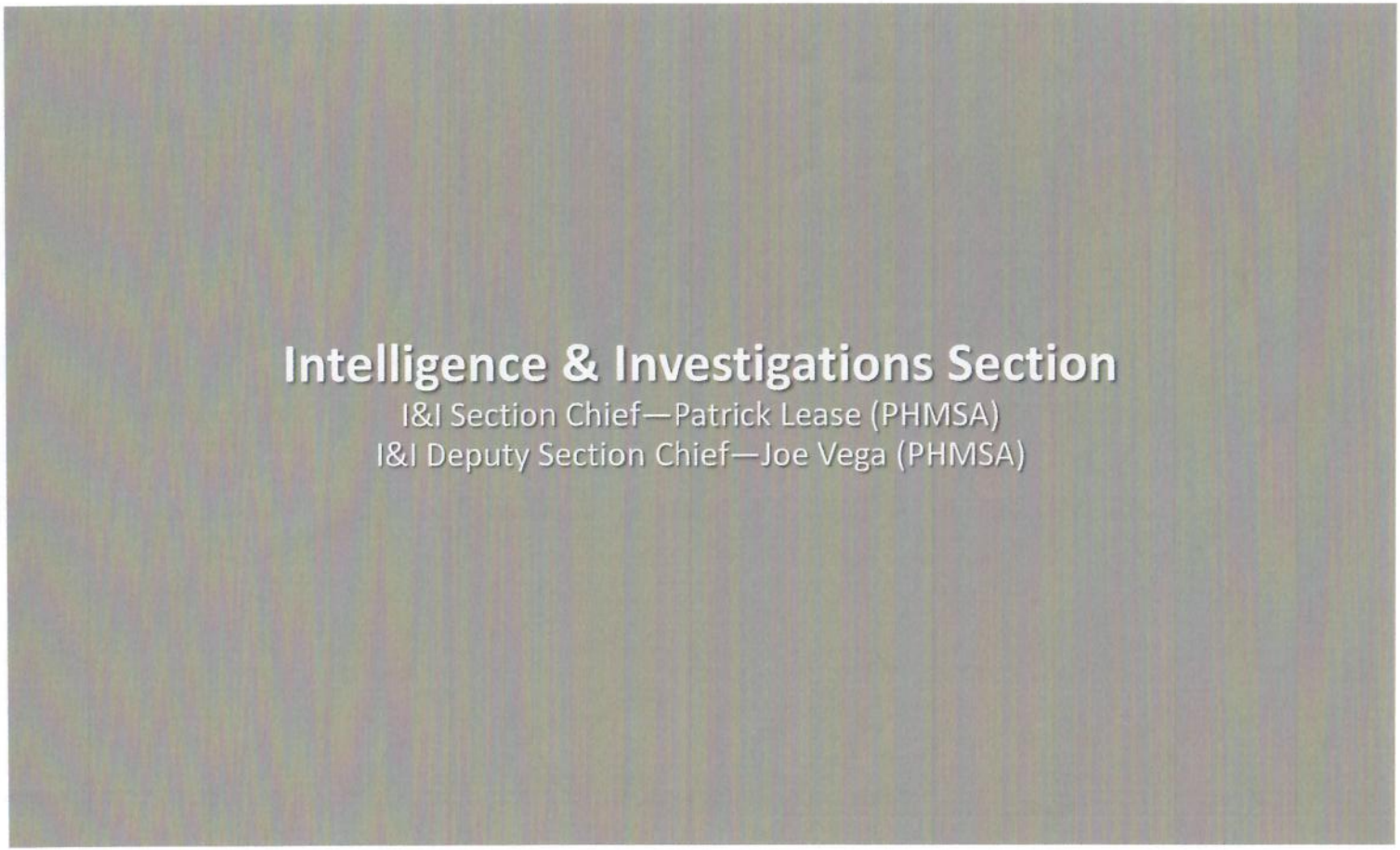
Mosier Unit Train Derailment IMT



Mosier Unit Train Derailment IMT



Mosier Unit Train Derailment IMT



CTEH CENTER FOR TOXICOLOGY AND ENVIRONMENTAL HEALTH, LLC

ICS 205: Communication Plan

Incident:	Mosier Unit Train Derailment	Prepared By:	Niki Bender
Period:	#3: 06/07/2016 06:00 PDT - 06/08/2016 06:00 PDT	Version Name:	06/06/2016 15:50 PDT

Radio Listings

Zone Grp.	Ch #	Function	Channel Name / Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone / NAC	TX Freq N or W	TX Tone / NAC	Mode (A, D or M)	Remarks

Phone Listings

Name	Title	Phone	Radio	Email	Other
Ashley Reardon - CTEH	Assistant Documentation Unit Leader	501-247-6691	☐		
Ben Salo - UPRR	Deputy Incident Commander - UP		☐		
Bob Bradley - CTEH	Operations Section Chief	860-982-0752	☐		
Brady Kent - Yakima Nation	EU		☐		
Brian Schimel - Mosier Schools	AREP	541-701-4965	☐		
Charles Young - Mosier Fire		503-360-3178	☐		
Chase Selby - CTEH	Operations Liaison	501-515-2774	☐		
Danny Maldonado - CTEH	Finance Section Chief	281-900-9712	☐		
Daves Byers - WA DOE	WA SOSC	360-790-6899	☐		
Don Christenson - UPRR		916-778-8897	☐		
Don Petit - OR DEQ	Environmental Unit Leader		☐		
Elizabeth Sanchey - Yakima Nation	Yakama Nation TOSC		☐		
Greg Carson - WA DOE		509-952-9403	☐		
Greg Noll - CTEH	Operations Section Chief - Deputy		☐		
Jake Sparrow - NRC			☐		
Jeff Dukes - UPRR	Operations Section Chief - Deputy	503-928-2514	☐		
Jim Overman - CTEH	Logistics Section Chief	979-236-3310	☐		
Joe Leonard - CTEH	Planning Section Chief	281-723-5567	☐		
Joe Vega - US DOT - PHMSA			☐		
John Temperilli - CTEH	Liaison Officer	713-542-3878	☐		
Kathy Fitzpatrick	City of Mosier	541-478-3505	☐		
Katie Strauss - CTEH	Situation Unit Leader	401-480-1560	☐		
Kimberlee Van Patten - OR DEQ	Documentation Unit Leader		☐		
Kris McNall - Mosier Fire	Logistics	541-622-3109	☐		
Lane Magill - Wasco County Sheriff's Office	Assistant LNO	541-506-2580	☐		
Linda Pikey-Jarvis - WA DOE	Environmental Unit Leader	360-280-7209	☐		
Lisa Copeland - WA DOE	JIC		☐		
Lisa Tyalor - CTEH	Resources Unit Leader	516-661-7021	☐		
Marge Dryden - OR Forest Service	EU Cultural Resources		☐		
Michael Lumpkin, PhD - CTEH			☐		Toxicologist
Mike Hildebrand - CTEH	Logistics Section Chief - Deputy	443-968-0862	☐		
Mike Spencer - ARC		360-907-7473	☐		
Nhi Irwin - WA DOE	Liaison Officer		☐		
Niki Bender - CTEH	Planning Section Chief - Deputy	281-352-6948	☐		
Paul Nony, PhD - CTEH	Safety Officer	501-352-3131	☐		
Ray Meyer - CTEH	Deputy Incident Commander (RP)	281-245-4026	☐		

ICS 205: Communication Plan					
Reese Boxwell - CTEH	Service Branch Director	832-483-1404	☐		
Rob Lothrop - Columbia River InterTribal Fisheries Commission	EU		☐		
Robin McClintock - CH2M Hill	EU - Cultural Resources	281-900-9712	☐		
Sam Hunn - WA DOE	WA SOSC - Deputy		☐		
Scott Skelton - CTEH	Deputy SOFR (Daytime)	501-952-9621	☐		
Tracy England - OR DEQ	EU - Support	541-213-8324	☐		
Wesley Killingsworth - CTEH	Deputy SOFR (Nighttime)	501-952-0343	☐		
Additional Comments					

CTEH CENTER FOR TOXICOLOGY AND ENVIRONMENTAL HEALTH, LLC

ICS 206: Medical Plan

Incident:	Mosier Unit Train Derailment	Prepared By:	Jim Overman
Period:	#3: 06/07/2016 06:00 PDT - 06/08/2016 06:00 PDT	Version Name:	06/06/2016 08:05 PDT

First Aid Stations

Name	Location	EMT On Site	Phone	Radio
All medical aid will be reached as indicated below	Mosier 1st Responders			

Transportation (Ground and/or Air Ambulance Services)

Name	Location	Paramedics	Phone	Radio
Arranged by Moshier1st Responders as per established protocol		Yes	911	

Hospitals

Name	Location	Burn Center	Helipad	Phone	Radio
As per established protocols through Moshier 1st Responders		No	No		

Special Medical Emergency Procedures

All medical emergencies will be addressed by accessing Moshier 1st Responders through 911. Resose time <5 min. After calling 911, notify the Safety Officer and person's ICS supervisor.

Meet in front of Mosier Community School Gym @ 45.683044, -121.401015

SAFETY MESSAGE/PLAN (ICS 208)

1. Incident Name:	2. Operational Period:	Date From: 6/7/2016	Date To: 0600
Mosier Unit Train Derailment		Time From: 6/8/2016	Time To: 0600

3. Safety Message/Expanded Safety Message, Safety Plan, Site Safety Plan:

1) Attend site safety briefing at beginning of shift

2) All workers should be familiar with the Site Health and Safety Plan (HASP) and Job Safety Analysis relevant to their work tasks, including proper PPE

3) Scout the work area and surrounding areas

4) Identify hazardous situations in the workplace; report to site Safety

5) Unseasonably warm temperatures are prevalent in the area. Keep hydrated; drink enough water. Take rest breaks in the shade. If no shade is available, use portable shade tents. If drinking Gatorade or similar products use a 3:1 ratio (3 quarts water to 1 quart of Gatorade).

6) Maintain communications within work groups and between filed supervisors and ICP staff.

7) While moving around rails and rail beds, be aware of the risk of ankle injuries due to lose ballast rock and debris.

8) Be aware of equipment movements on the rail and on roadways.

9) Use designated smoking area.

10) Report all critical notification events to supervisors/Unified Command

11) Keep an eye on your coworkers for signs of distress

12) All workers have Stop Work Authority to address potentially unsafe conditions or practices

13) Use plenty of insect repellent and sunscreen as appropriate if working outdoors

WEATHER:

Tuesday 06/07/2016 - Temps: High 92°, Low 62°.

DAYS: A few clouds from time to time. Winds WNW at 10 to 15 mph.

EVENING: Partly cloudy. Winds WNW at 10 to 15 mph.

Wednesday 06/07/2016 - Temps: High 74°, Low 53°.

DAYS: Partly cloudy skies in the morning will give way to cloudy skies during the afternoon. Winds WNW at 10 to 20 mph.

EVENING: A few clouds. Winds W at 10 to 15 mph.

4. Site Safety Plan Required? Yes ☑ No ☐

Approved Site Safety Plan(s) Located At: Incident Command Post / Mosier Community School Gymnasium

5. Prepared by: Name: Paul Nony, Ph.D. Position/Title: Safety Officer Signature: Paul Nony

ICS 208	IAP Page _____	Date/Time: 6/6/2016 1500

INCIDENT STATUS SUMMARY (ICS 209)

*1. Incident Name: Mosier Unit Train Derailment			2. Incident Number:	
*3. Report Version (check one box on left): □ Initial X Update □ Final Rpt # (if used):	*4. Incident Commander(s) & Agency or Organization: Union Pacific Rail Road (UPRR)		5. Incident Management Organization: CTEH	*6. Incident Start Date/Time: Date: 03JUN2016 Time: 1230 Time Zone: PDT
7. Current Incident Size or Area Involved (use unit label – e.g., "sq mi," "city block"): City of Mosier 1.0 sq miles	8. Percent (%) Contained 90% Completed	*9. Incident Definition: HazMat	10. Incident Complexity Level: Type 2	*11. For Time Period: From Date/Time: 06JUN2016/0600 To Date/Time: 07JUN2016/0600

Approval & Routing Information

*12. Prepared By: Print Name: Mary K Strauss ICS Position: SITL Date/Time Prepared: 06JUN2016 1616	*13. Date/Time Submitted 06JUN2016 1616 Time Zone: PDT
*14. Approved By: Print Name: Joseph J Leonard ICS Position: PSC Signature:	*15. Primary Location, Organization, or Agency Sent To: Planning IMATplanning@cteh.com

Incident Location Information

*16. State: Oregon	*17. County/Parish/Borough: Wasco	*18. City: Mosier
19. Unit or Other: Planning	*20. Incident Jurisdiction: Region 10	21. Incident Location Ownership (if different than jurisdiction):
22. Longitude (indicate format): 45°41'5.55 N Latitude (indicate format): 121°24'7.96 W	23. US National Grid Reference:	24. Legal Description (township, section, range): City of Mosier
*25. Short Location or Area Description (list all affected areas or a reference point): City of Mosier and the City of The Dalles		26. UTM Coordinates:
27. Note any electronic geospatial data included or attached (indicate data format, content, and collection time information and labels):		

Incident Summary

*28. Significant Events for the Time Period Reported (summarize significant progress made, evacuations, incident growth, etc.):
Additional security needs identified and additional assets requested. Product located/contained in the outflow line of WWTP approximately 20' from Columbia River. At 1300 VIP tour with local residents and media included approximately 45 people. Developed a threat and hazard risk assessment for areas of responsibility using the ACP.

29. Primary Materials or Hazards Involved (hazardous chemicals, fuel types, infectious agents, radiation, etc.):
Crude Oil

30. Damage Assessment Information (summarize damage and/or restriction of use or availability to residential or commercial property, natural resources, critical infrastructure and key resources, etc.):

A. Structural Summary	B. # Threatened (72 hrs)	C. # Damaged	D. # Destroyed
E. Single Residences	270	0	0
F. Nonresidential Commercial Property	20	0	0
Other Minor Structures	0	0	0
Other	0	0	0

* *Required when applicable.*

INCIDENT STATUS SUMMARY (ICS 209)

*1. Incident Name: Mosier Unit Train Derailment	2. Incident Number:

Additional Incident Decision Support Information

*31. Public Status Summary:	A. # This Reporting Period	B. Total # to Date
C. Indicate Number of Civilians (Public) Below:		
D. Fatalities	0	0
E. With Injuries/Illness	0	0
F. Trapped/In Need of Rescue	0	0
G. Missing *(note if estimated)*	0	0
H. Evacuated *(note if estimated)*	0	400
I. Sheltering in Place *(note if estimated)*	0	4
J. In Temporary Shelters *(note if est.)*	0	3
K. Have Received Mass Immunizations	0	0
L. Require Immunizations *(note if est.)*	0	0
M. In Quarantine	0	0
N. Total # Civilians (Public) Affected:	0	407

*32. Responder Status Summary:	A. # This Reporting Period	B. Total # to Date
C. Indicate Number of Responders Below:		
D. Fatalities	0	0
E. With Injuries/Illness	0	1
F. Trapped/In Need of Rescue	0	0
G. Missing	0	0
H. Sheltering in Place	0	0
I. Have Received Immunizations	0	0
J. Require Immunizations	0	0
K. In Quarantine	0	0
N. Total # Responders Affected:	0	1

33. Life, Safety, and Health Status/Threat Remarks:

Contamination/exposure to released product. Heat related illness. Health and safety plan completed and made available.

35. Weather Concerns (synopsis of current and predicted weather; discuss related factors that may cause concern):

Rain, severe weather, high temperatures & humidity, and sun exposure.

*34. Life, Safety, and Health Threat Management:	A. Check if Active
A. No Likely Threat	x
B. Potential Future Threat	☐
C. Mass Notifications in Progress	x
D. Mass Notifications Completed	x
E. No Evacuation(s) Imminent	x
F. Planning for Evacuation	☐
G. Planning for Shelter-in-Place	☐
H. Evacuation(s) in Progress	☐
I. Shelter-in-Place in Progress	☐
J. Repopulation in Progress	☐
K. Mass Immunization in Progress	☐
L. Mass Immunization Complete	☐
M. Quarantine in Progress	☐
N. Area Restriction in Effect	x
	☐
	☐
	☐
	☐

36. Projected Incident Activity, Potential, Movement, Escalation, or Spread and influencing factors during the next operational period and in 12-, 24-, 48-, and 72-hour timeframes:

12 hours: **Risk of additional product released**

24 hours: **Risk of additional product released**

48 hours: **Risk of additional product released**

72 hours: **Risk of additional product released**

Anticipated after 72 hours:

37. Strategic Objectives (define planned end-state for incident):
Ensure the safety of citizens and responders, minimize/eliminate impact to Mosier Community, control the source of the spill, manage the response in a coordinated manner, protect environmental/economic/culture areas, contain and recover spilled crude oil, clean up product and restore impacted areas, keep the public and stake holders informed, demobilized resources as appropriate.

Mosier Unit Train Derailment

COPY

Incident Disposal Plan

Submitted By: PLANNING Date:

Printed Name:

Approved by ODEQ: Date: 6-5-16

Printed Name:

Approved by WDOE: Date: 6/5/2016

Printed Name: David Byers

Reviewed by ~~USCG~~/EPA: for Richard Franklin Date: 6/5/2016

Printed Name: Michael F Boykin

Approved by Responsible Party: Date: 6/6/16

Printed Name:

Approved by:

Local Government Representative(s): Date:

Printed Name:

Approved by:

Tribal Government Representative(s): Date:

Printed Name:

The Disposal Plan has been developed by the Environmental Unit in coordination with the Operations Section for incorporation into the Incident Action Plan. Changes or amendments to the Disposal plan based on lessons learned from the Operations Section will be incorporated into this plan as needed.

SECTION I: WASTE MANAGER AND WASTE HANDLERS

Describe the contractors assigned and key roles staffed to support disposal. Describe the responsibilities of each role. *NRC Environmental Services, Inc. and Clean Harbors to provide staffing.*

Roles may include:

- Disposal Group Supervisor – *communicate waste generated to Command. Direct the entire waste operation. Arrange for waste pick up from identified waste handler.*
- Waste Tracking Coordinator – *responsible for completing the waste tracking form, attached as appendix. They will track waste management, interim storage, and final disposal.*
- Technical Specialists – *minimum one at every staging area. Responsible for directing appropriate segregation (into appropriate containers) of the waste.*

Describe the licensed transporters and approved treatment and disposal facilities to be used for waste handling and disposition. Only approved and licensed facilities are to be used unless otherwise directed by Incident Command. Describe how all waste handlers will be briefed and working in accordance with this plan. *Waste handlers will report to Disposal Group Supervisor before initiating work.*

Name of Company	Disposal Functions	Company Representative (Name, Phone #)
Waste Management	Transportation and Final Disposal	

This plan will need to be updated when the disposal destination for the liquid from the wastewater treatment plant is determined.

SECTION II: DESIGNATION

The spilled material was deemed (non-) dangerous waste based on the following:

Analytical testing. Recovered oil and soil will be treated as non-dangerous waste as long as the flash point is above 140°F. A mobile lab is available on site to conduct composite testing of soil waste.

Describe whether the recovered product will be handled as a hazardous waste based on TSCA/RCRA, state or other regulations, and explain the basis for the decision.

All material to be handled as hazardous waste until directed otherwise by Waste Disposal Supervisor.

1 lined 30-yd roll-off box for each staging area identified above.

- Oiled organic debris: wood, aquatic vegetation, etc. Oily debris should be placed in **clear plastic bags** for ease of identifying contents and segregation. To the extent possible efforts should be made to homogenize recovered organic debris, e.g. heavily oiled eel grass should be kept separate from dissimilar debris.
- Oiled sorbent material: oil snares, pads, and booms – placed in **clear plastic bags** for ease of identifying contents and segregation
- PPE and other typically non-sorbent materials - placed in **clear plastic bags** for ease of identifying contents and segregation

TBD

- Oil and oil/water mixtures recovered from state waters/shorelines

C. TRACKING

Describe the waste tracking system used during this response. Include copies of waste tracking forms, (*See attached tracking form*). Develop a process to communicate the waste tracking information from the field to the Command Post. *See Waste Management Supervisor, who will communicate waste tracking information.*

SECTION IV: DECONTAMINATION

Describe the areas designated for decontamination including location, set up, and pollution prevention measures.

TBD

SECTION V: WASTE DISPOSITION AND FINAL DISPOSAL

Refer to ICS form 209 for a summary of recovered waste volumes.

Include copies of waste tracking forms and waste profiles used for final disposal, (See Appendix A for example). Also, include copies of receipts from disposal facilities.

A. RECOVERABLE OIL

Liquid oil recovered will be transferred back into train units for transport to US Oil, Tacoma, WA.

Company Names and contacts

Union Pacific *TBD*

CTEH CENTER FOR TOXICOLOGY AND ENVIRONMENTAL HEALTH, LLC

COPY

Crude Oil Derailment

Mosier, OR

Preliminary Air Sampling and Analysis Plan

Version 1.0

Prepared On Behalf Of:

Union Pacific Railroad

Prepared By:

Center for Toxicology and Environmental Health, L.L.C.
5120 North Shore Blvd
Little Rock, AR 72118
501-801-8500

6/3/2015

Version 1.0			
	Name/Organization	Signature	Date Signed
Prepared by:	Michael Lumpkin / CTEH		6/3/2016
Reviewed by:	JT Wilson / CTEH		6/4/2016
Approved by:	Richard Franklin / EPA		6/4/2016
Approved by:	/ ODEQ		6/4/2016
Approved by:	Sara Hunter / WA ECY		6/4/16
Approved by			
Approved by			

Plan 1: Worker Exposure Monitoring

Objective: Report air levels before they reach those requiring respiratory protection

Analyte	Action Level	Action to be Taken	Basis	Instrument	Detection Limit	Notes	Correction Factor
Total VOCs	30 ppm	Assess for the presence of benzene/toluene/hexane, Report reading to PM	To avoid over exposure to benzene/toluene/hexane - Reading sustained for 5 minutes	MultiRAE AreaRAE	0.1 ppm	Measuring range: 1 – 200	NA
Benzene	0.5 ppm	Confirm reading with secondary instrument, Exit Area or don air purifying respirator; report reading to PM	OSHA PEL Action level – Reading sustained for 5 minutes	UltraRAE	0.05 ppm	UltraRAE - Change SEP tube frequently	NA
				Gastec tube #121L	0.05 ppm	Range: 0.1 to 65 Volume: Variable	Var.
Benzene	2.5 ppm	Exit Area or don air purifying respirator; report reading to PM	ACGIH STEL Action level – Reading sustained for 5 minutes	UltraRAE	0.05 ppm	UltraRAE - Change SEP tube frequently	0.55
				Gastec tube #121L	0.05 ppm	Range: 0.1 to 65 Volume: Variable	Var.
Toluene	20 ppm	Sample only as requested, Report reading to PM	ACGIH® TLV	Gastec tube #122L	0.5 ppm	Range: 1 to 100 Volume: Var.	Var.
Hexane	50 ppm	Sample only as requested, Report reading to PM	ACGIH® TLV (n-hexane)	Gastec tube #102L	1 ppm	Range: 4 to 1200 Volume: Variable	Var.
Hydrogen Sulfide	1 ppm	Exit Area, report reading to PM	ACGIH® TLV – Reading sustained for 5 minutes	MR Sensor	1 ppm	MultiRAE - Measuring range: 0 – 100 ppm	NA
				MR Pro Sensor	0.1 ppm	MR Pro - Measuring range: 0 – 100 ppm	NA
				Gastec tube #4LL	0.1 ppm	Range: 0.25 to 120 Volume: Variable	Var.

Plan 2: Community Exposure Monitoring

Objective: Report air levels before they reach those causing nuisance issues

Analyte	Action Level	Action to be Taken	Basis	Instrument	Detection Limit	Notes	Correction Factor
Total VOCs	0.5 ppm	Report reading to PM. Assess for the presence of benzene/toluene/hexane, if requested	Approximate background level - Reading sustained for 5 minutes	MultiRAE AreaRAE	0.1 ppm	Measuring range: 1 – 200	NA
Benzene	Detection	Sample only as requested, Report reading to PM	Inform PM/PTD of potential off-site issues	UltraRAE	0.05 ppm	UltraRAE - Change SEP tube frequently	NA
				Gastec tube #121L	0.05 ppm	Range: 0.1 to 65 Volume: Variable	Var.
Toluene	Detection	Sample only as requested, Report reading to PM	Inform PM/PTD of potential off-site issues	Gastec tube #122L	0.5 ppm	Range: 1 to 100 Volume: Variable	Var.
Hexane	Detection	Sample only as requested, Report reading to PM	Inform PM/PTD of potential off-site issues	Gastec tube #102L	1 ppm	Range: 4 to 1200 Volume: Variable	Var.
Hydrogen Sulfide	Detection	Exit Area, report reading to PM	Inform PM/PTD of potential off-site issues	MR Sensor	1 ppm	MultiRAE - Measuring range: 0 – 100 ppm	NA
				MR Pro Sensor	0.1 ppm	MR Pro - Measuring range: 0 – 100 ppm	NA
				MultiRAE PID	0.1 ppm	Measuring range: 0 – 100 ppm	3.3
				Gastec tube #4LL	0.1 ppm	Range: 0.25 to 120 Volume: Variable	Var.

Combustion Products

Plan 3: Site Characterization Monitoring

Objective: Characterize nature and extent of release

Analyte	Action Level	Action to be Taken	Basis	Instrument	Detection Limit	Notes	Correction Factor
Total VOCs	NA	Report reading to PM	NA	MultiRAE AreaRAE	0.1 ppm	Measuring range: 1 – 5,000	NA
Benzene	NA	Report reading to PM	NA	UltraRAE	0.05 ppm	UltraRAE - Change SEP tube frequently	NA
				Gastec tube #121L	0.05 ppm	Range: 0.1 to 65 Volume: Variable	Var.
Toluene	NA	Report reading to PM	NA	Gastec tube #122L	0.5 ppm	Range: 1 to 100 Volume: Variable	Var.
Hexane	NA	Report reading to PM	NA	Gastec tube #102L	1 ppm	Range: 4 to 1200 Volume: Variable	Var.
Hydrogen Sulfide	NA	Report reading to PM	NA	MR Sensor	1 ppm	MultiRAE - Measuring range: 0 – 100 ppm	NA
				MR Pro Sensor	0.1 ppm	MR Pro - Measuring range: 0 – 100 ppm	NA
				MultiRAE PID	0.1 ppm	Measuring range: 0 – 100 ppm	3.3
				Gastec tube #4LL	0.1 ppm	Range: 0.25 to 2.5 Volume: 1,000 ml	Var.

Analytical Methods			
Analyte	Media/Can	Method	Notes
VOCs	Mini - Cans	EPA TO-15 with TICs	
Benzene	Charcoal tube	NIOSH 1501	
BTEX (+Hexane)	3M 3520 Badge	Modified NIOSH 1500/1501	
PAHs (18 PNAH Profile - Galson)	37PTFE 2.0/Treated Amberlite XAD-2	Method 5506	

Quality Assurance/Quality Control Procedures

Method	Procedure
Real-time	• Real time instruments may be calibrated in excess of the manufacturer's recommendations. o At a minimum whenever indicated by site conditions or instrument readings. • Co-located sampling for analytical analysis may be conducted, if necessary, to assess accuracy and precision in the field. • Lot numbers and expiration dates may be recorded with use of Gastec colorimetric tubes.
Analytical	• Chain of custody documents may be completed for each sample. • Level IV data validation may be performed on the first sample group analyzed. • Level II data validation may be performed on 20% of all samples. • Level IV data validation may be performed on 10% of all samples.
Other	

Glossary

Term	Definition
Sustained	Instrument reading above the action level continuously for the listed time period.
Excursion Limit	Whenever a reading exceeds a ACGIH® TLV reading by 3 times (if the chemical does not have a STEL or Ceiling based action level), exit the area and notify the PM
Breathing zone	The area within an approximate 10-inch radius of an individual's nose and mouth.

CTEH CENTER FOR TOXICOLOGY AND ENVIRONMENTAL HEALTH, LLC

COPY

Crude Oil Derailment

Mosier, OR

Addendum to the Air Sampling and Analysis Plan

Version 1.0

Prepared On Behalf Of:

Union Pacific Railroad

Prepared By:

Center for Toxicology and Environmental Health, L.L.C.
5120 North Shore Blvd
Little Rock, AR 72118
501-801-8500

6/5/2015

Version 1.0			
	Name/Organization	Signature	Date Signed
Prepared by:	Michael Lumpkin, PhD / CTEH		
Reviewed by:	Union Pacific Railroad		6-5-16
Approved by:	~~Michael Baykin~~ Baykin for Richard Fenske		6-5-16
Approved by:	Michael M/Renz SOSC ODEQ		6-5-16
Approved by:	Elizabeth Sanchez, Yakama Nation		6-5-16
Approved by	D Bg, SOSC, WA		6-5-16
Approved by			

COPY

Mosier Unit Train Derailment

WILDLIFE MONITORING PLAN
~~Soil Sampling Plan~~

Submitted By: PLANNING Date:

Printed Name:

Approved by ODEQ: SOSC COEQ Date:

Printed Name:

Approved by WDOE: Date: 6-5-16

Printed Name:

Reviewed by ~~USCG~~/EPA: Date: 6-5-16

Printed Name: Michael Baykin for Richard Franklin

Approved by Responsible Party: Date:

Printed Name:

Approved by:

Local Government Representative(s): Date:

Printed Name:

Approved by:

Tribal Government Representative(s): Date: 6-5-16

Printed Name: Elizabeth Sanchey
Yakama Nation

Mosier Unit Train Derailment

Cultural Response Plan

Submitted By: PLANNING Date:

Printed Name:

Approved by ODEQ: Date: 6/05

Printed Name:

Approved by WDOE: Date: 6/5/2016

Printed Name: David Byers

Reviewed by ~~USCG~~/EPA: for Richard Franklin Date:

Printed Name:

Approved by Responsible Party: Date: 6/5/16

Printed Name:

Approved by:

Local Government Representative(s): Date:

Printed Name:

Approved by:

Tribal Government Representative(s): Date: 6-5-16

Printed Name: Elizabeth Sanchey
Yakama Nation

Mosier Unit Train Derailment

Protocol for coordination in the event of inadvertent discovery:

□ In the event of an inadvertent discovery of items suspected to be cultural materials, including possible human remains, stop all work immediately in the vicinity of the find. Notify your Division/Group Supervisor or Task Force Leader as soon as possible.
□ The area should be secured and protected. A 30 meter buffer should be placed around the discovery with work being able to proceed outside of this buffered area unless additional cultural materials are encountered.
L The Operations Section Chief, the Planning Section Chief, the Tribal On-Scene Coordinator (if one has been established within the ICS) and the Liaison Officer are to be notified immediately by the Division/Group Supervisor or Task Force Leader. The Planning Section Chief will direct his staff to notify the State Historic Preservation Office (SHPO) and the US Dept. of the Interior or designated representative (U.S. Fish & Wildlife), if present within the ICS established for the incident.

If possible human remains are encountered, the Oregon State Police, Oregon Commission on Indian Services (CIS), SHPO, and appropriate Tribes will also be notified.

- Oregon State Police: Chris Allori 503-731-4717
- Oregon Commission on Indian Services: Karen Quigley 503- 986-1067
- Appropriate Tribes: As designated by CIS
- SHPO: Dennis Griffin 503-986-0674, John Pouley 503-986-0675, or Matt Diederich 503-986-0577.

□ No work may resume within the secured area until consultation with the SHPO has occurred and a professional archaeologist is able to assess the discovery.

□ If human remains are encountered, do not disturb them in any way. *Do not call 911*. Do not speak with the media. Secure the location. Do not take Photos. The location should be secured and work will not resume in the area of discovery until all parties involved agree upon a course of action.

□ A professional archaeologist may be needed to assess the discovery; they will consult with SHPO and appropriate Tribal Governments to determine an appropriate course of action.

□ Archaeological excavations may be required after the emergency response phase of the incident. This is handled on a case by case basis by the professional archaeologist and project manager, in consultation with SHPO and appropriate Tribes.

Proceeding with Construction or other Ground Disturbing Activities

□ Construction can proceed only after the proper archaeological inspections have occurred and clearance to proceed is obtained. This requires close coordination with SHPO and the Tribes.
□ After an inadvertent discovery, some areas may be specified for "**Close Monitoring**" or '**No Work Zones**'.
Any such areas will be identified by the professional archaeologist, and relayed to the Operations Section Chief and the Planning Section Chief, who will relay to appropriate Division/Group Supervisors and/or Task Force Leaders.
□ In coordination with the SHPO or professional archaeologist, the Operations Section Chief will verify these identified areas and be sure that the areas are clearly demarcated in the field, as needed.

[redacted] [redacted]

Joint Information Center and Media Relations Plan
Mosier Unit Train Derailment
Date prepared: June 7, 2016

Staffing:

- Judy Smith, JIC Manager, EPA
- Suzanne Skadowski, Assistant JIC Manager, EPA
- Greg Svelund, PIO, Information Dissemination, ODEQ
- Camille St. Onge, PIO, Information Dissemination, Message Development, ECY (*Demobing end of 6/7, replacement ordered)
- Don Hamilton, PIO, Press Officer, ODOT (*Demobing end of 6/6, replacement ordered)
- Kay Morrison, Assistant PIO, Product Development, EPA
- Angie Zavala, Assistant PIO, Environmental Justice – Spanish Language Support
- Ordered – Asst. PIO, Information Gathering
- Ordered – START Contractor or Asst PIO, Phone and e-mail monitoring, documentation
- Ordered – Asst. PIO, Information Gathering and Media Relations
- Ordered – Asst. PIO, Community Relations

Primary/ongoing activities:

- Disseminate incident information to the news media
- Disseminate incident information to the community
- Respond to incoming media inquiries
- Respond to incoming public inquiries
- Coordinate information needs with other agencies
- Prepare informational products such as fact sheets, news releases, flyers, FAQ to support other IC functions
- Media monitoring and analysis
- Establishing community information kiosk

Daily schedule:

- 8:00 am Incident Talking Points Updated and Approved
- 9:30 am #1 News Release/Update Distributed electronically and posted out in community
- 9:30 am Update websites, plan/schedule social media
- 10:00 am Interagency PIO Briefing and Coordination Call
- 2:00 pm Press Availability (as needed)
- 5:30 pm #2 News Release/Updated Distributed

Incident website: (WA Ecology spill response webpage) www.bitly.com/mosier

Social Media: Facebook – MosierDerail, Twitter – @mosierderail

Other web resources:

- EPA Emergency Response: https://www.epaosc.org/MosierOilTrainDerailment
- Union Pacific: www.up.com/mosier

As needed:

- Provide written materials to meet IC needs, including briefing papers, fact sheets, FAQ's
- Help organize and facilitate special events, site tours and community meetings for liaison officer

Mosier Unit Train Derailment Incident Liaison Plan

Draft June 6, 2016

Signature Approval:

FOSC	
OR – SOSC	
WA – SOSC	
LOSC	
TOSC	

Summary of Incident:

A Union Pacific train derailed in Mosier, Oregon in Wasco County at 12:30 PM PDT on June 3, 2016. Initially, a total of eleven cars carrying crude oil were reported derailed, and sixteen were later confirmed. Four cars were reported on fire. Fire was put out by 2:05 AM PDT on June 4, 2016. The derailed cars are near the intersection of Rock Creek Rd and US Highway 30. Interstate 84 was initially closed immediately after the derailment, but both east and west bound lanes were opened by 10:45 PM PDT on June 3, 2016. A quarter mile radius was evacuated, including part of the town of Mosier, OR. Residents within a mile were advised as a precaution to be ready for evacuation as necessary. The Columbia River remains open to traffic as of this time.

Roles and Responsibilities: This is subject to change as staffing is managed throughout the response.

Roles & Responsibility	Name	Email	Phone #
Liaison Officer	Bruce Gillis (ODEQ)	GILLES.Bruce@deq.state.or.us	971-246-3000
Deputy Liaison	John Temperilli (CTECH)	jtemperilli@cteh.com	713-542-3878
Liaison Staff	Scott Smith (ODEQ)	Smith.Scott@deq.state.or.us	503-734-4079
Liaison Staff	Rob Dengel (WDOE)	Robert.dengel@ecy.wa.gov	360-789-9523
Liaison Staff	Mike Eliason (UP)	meliason@up.com	503-249-3079

Purpose and Goals of Liaison:

It is the goal to provide a Rapid, Aggressive and Well Coordinated response to the spill. This liaison plan is intended to work in conjunction with media outreach by the Joint Information Center to ensure the response effort is well coordinated with government officials, interested parties and the general public. This plan will evolve as the response evolves.

This plan provides specific objectives for a forward leaning internal and external liaison effort.
Specific objectives for this effort include:

- Establish Liaison Unit - Organize staff and make position assignments, hold staff meeting - follow position assignment job aid and assign team appropriate to complexity of the incident.
- Co-locate with the JIC if possible. Ensure coordination share information in a timely manner.
- Establish working phone line (s) for incoming calls and an email for email inquiries.
    - Establish team to answer phones and answer calls as they come in.
    - Advertise phone number and email address with JIC/PIO and other outreach activities.
    - Establish location to store phone messages, notes, responses and documents.
    - Ensure all phone messages are documented with a time taken and whether response was completed.
    - Close the loop on everything if possible.
- Maintain a list of assisting and cooperating agencies and Agency Representatives, including name and contact information.
    - Monitor check-in sheets daily to ensure that all Agency Representatives are identified.
- Collect and respond to inquiries.
    - Respond to all incoming calls with a credible answer.
    - Call back and close the loop on everything.
    - Provide credible and first hand information on spill to local legislators, tribes and stakeholders in a timely manner.
- Develop, deliver and receive approval by UC of a Liaison Plan
- Develop Elected Officials, Tribal and Stakeholder Contact Lists
- Produce Public Health Message
- Check on claims and compensation process for stakeholder messages
- Stakeholder Messages including: Elected Officials (local, state, federal, and tribal), public/community stakeholder.
- Identify location for a local elected officials briefing, includes ordering resources
- Agenda for a local elected Officials Briefing
- VIP packet
- Resource Request List
- Package unit log, individual log and all products for the record

Daily Activities:
These are activities that are planned for daily updates to elected officials and communities. The messages in the daily Liaison updates are information that has been approved by unified command. These updates will be consistent information with media messages.

- Daily liaison updates for elected officials and tribes – These are distributed via email. Messaging will be consistent and will be distributed to each state elected officials.
- Provide information as requested.

Possible other update methods:

- Establish an elected official's daily conference call. This would be a set time every day for a situation update for elected officials to call into for information.

Planned Activities:
These activities are used to address specific groups including elected officials, tribes, and communities.

- VIP Tours
    - Sunday, June 5, 2016: VIP Tour – Elected officials from WA State and local elected officials from Mosier and Hood River. – DONE
    - Monday, June 6, 2016 @ 1:00 PM: VIP Tour for OR State elected officials, tribes and local officials.
    - Wednesday, June 8, 2016: VIP tour. This was requested by Mosier Mayor office. – To be confirmed.
    - Others tours as requested.

- Community Meetings
    - Sunday, June 5, 2016: Town Hall meeting for Mosier residents. – DONE
    - Other meetings as needed and requested.

Community Engagement:
Liaison has been working closely with the Mosier Mayor's office staff, City Council, County Commissioners, and City Manager to address community questions and concerns. Their input has been invaluable to ensuring that community citizens feel connected to information.

These are tools that we are using to engage with the community. We will include additional information as needed and requested.

- **Town Hall Meeting** – Due to the nature of this incident which also included community water use issues and evacuation, we conducted a town hall meeting within 96 hours of the incident to address these critical issues. These meetings will be used to pass on additional information as requested.
- **Door to Door Communications –** Mosier is a small close-knit community and communication travels by word of mouth and personal interactions. This has been a great tool to distribute information. We used citizen volunteers to hang flyers and spread the word about the town meeting and water use issue.
- **Mobile Claims Unit** – Union Pacific has established a "store-front" concept to assist impacted community members with information on making claims, grocery vouchers and other necessities.
- **VIP Tours** – We are providing tours and site visits to local elected officials. Two VIP tours have been conducted and more will be conducted as needed and requested.


ppl
OPERATIONS